Listing of Claims:

This listing of claims will replace all prior version, and listings, of claims in the application:

1. (Previously Presented) A method for transmitting data in messages on a bus system, the method comprising:

transmitting messages in transmission time slots at a preselected transmission rate, a transmission rate within a transmission time slot being changeable in such a way that a message provided for the transmission time slot is transmitted repeatedly within the transmission time slot.

2. (Original) The method according to claim 1, further comprising:

comparing at least two of the messages transmitted repeatedly within a transmission time slot with one another; and

detecting a fault in the event of deviations, with regard to at least parts of the messages.

- 3. (Previously Presented) The method according to claim 2, wherein N of the messages transmitted repeatedly within a transmission time slot are compared with one another, and, within the scope of an M out of N deviation with regard to at least parts of the messages, at least one message is detected as being faulty, the messages detected as faulty being rejected, wherein M and N are integers, and wherein N > 2 and (N/2) < M < N.
- 4. (Original) The method according to claim 1, further comprising unambiguously allocating the messages to transmission time slots.
- 5. (Original) The method according to claim 1, further comprising multiplying the transmission rate within a transmission time slot by an integral factor.

2

NY01 1486913

- 6. (Original) The method according to claim 1, further comprising structuring the message in such a way that a beginning and an end of the message are unambiguously detectable.
- 7. (Original) The method according to claim 6, wherein each of the messages has a first identifier for the beginning of the message and a second identifier for the end of the message.
- 8. (Original) The method according to claim 1, wherein the messages contain an identification and data, the identification identifying data content, and the messages transmitted repeatedly within a transmission time slot are identical at least with regard to the identification and the data.
- 9. (Original) The method according to claim 8, further comprising:

comparing at least two of the messages transmitted repeatedly within a transmission time slot with one another; and

detecting a fault in the event of deviations with regard to at least one of the identification and the data.

- 10. (Previously Presented) The method according to claim 8, wherein N of the messages transmitted repeatedly within a transmission time slot are compared with one another, and, within the scope of an M out of N deviation with regard to at least one of the identification and the data, at least one message is detected as being faulty, the messages detected as faulty being rejected, wherein M and N are integers, and wherein N > 2 and (N/2) < M < N.
- 11. (Previously Presented) A device for transmitting data in messages, comprising: first means for transmitting messages in transmission time slots at a preselected

transmission rate; and

second means for changing a transmission rate within a transmission time slot in such a way that a message provided for the transmission time slot is transmitted repeatedly within the transmission time slot.

NY01 1486913 3

- 12. (Original) The device according to claim 11, further comprising third means for unambiguously allocating the messages to particular transmission time slots.
- 13. (Original) The device according to claim 11, further comprising a memory device for storing the messages transmitted repeatedly within a particular transmission time slot in a chronological order of their transmission.
- 14. (Previously Presented) A bus system comprising a device for transmitting data in messages, the device including:

first means for transmitting messages in transmission time slots at a preselected transmission rate; and

second means for changing a transmission rate within a transmission time slot in such a way that a message provided for the transmission time slot is transmitted repeatedly within the transmission time slot.

NY01 1486913 4